

FIG. 1

DEPENDANT VARIABLE \ OPTICAL CHARACTERISTIC	HIGH TRANSMISSION, T>=30% (WINDSHIELDS, WINDOWS)	LOW TRANSMISSION, T<20% (SUNGLASSES)	LOW REAR VISIBILITY	LOW REAR REFLECTION (WINDOWS)	BRIGHT HIGH REFLECTIVE COLORS
LOWER METAL LAYER THICKER THAN UPPER			+		
UPPER METAL LAYER THICKER THAN LOWER				+	+
TINTED SUBSTRATE T=60% ± 10%		+	+		
TOTAL METAL THICKNESS <=5.0nm	+				
TOTAL METAL THICKNESS 6.0-8.0nm		+			

FIG. 2

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JaxOrzi: Reflectance

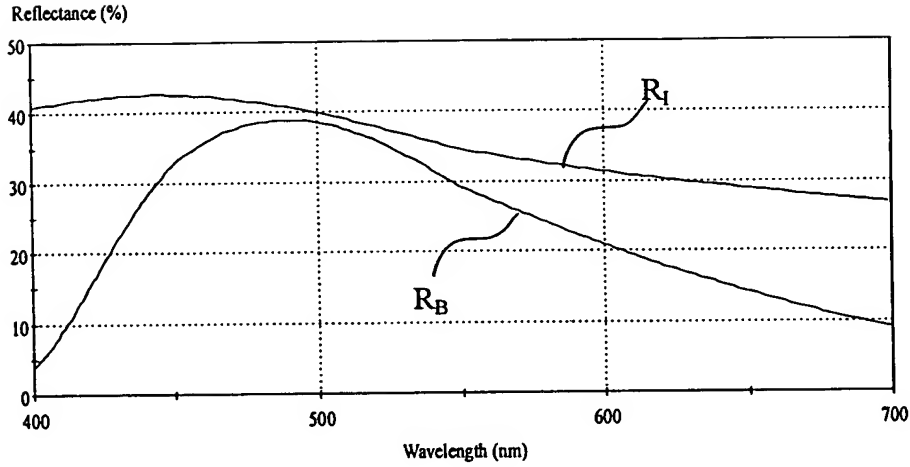


FIG. 3

JaxOrzi: Transmittance

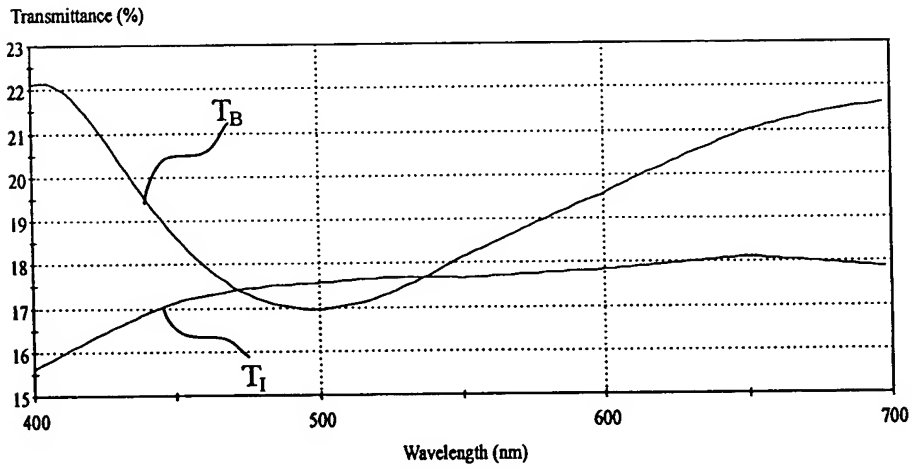


FIG. 4

JaxOrzi: Reflectance

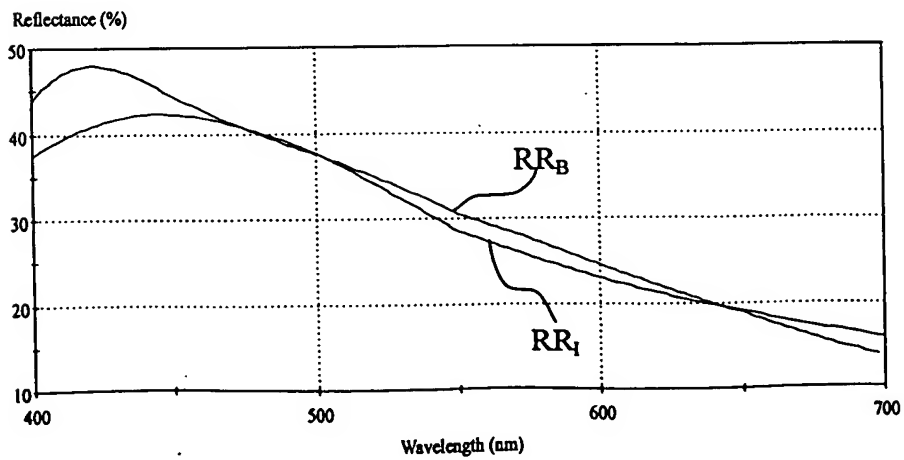


FIG. 5

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L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	59.9	49.2	60.2	58.7
	a	-19.3	-0.1	-7.1	-11.3
	b	-5.7	1.3	-17.3	-19.5
BACKGROUND	L	65.4	50.1	61.4	60
	a	-3.6	4.5	-6.2	-11.5
	b	-9.5	-0.24	-17.8	-19.5
	DELTA E	17.06	4.93	1.58	1.32
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 6

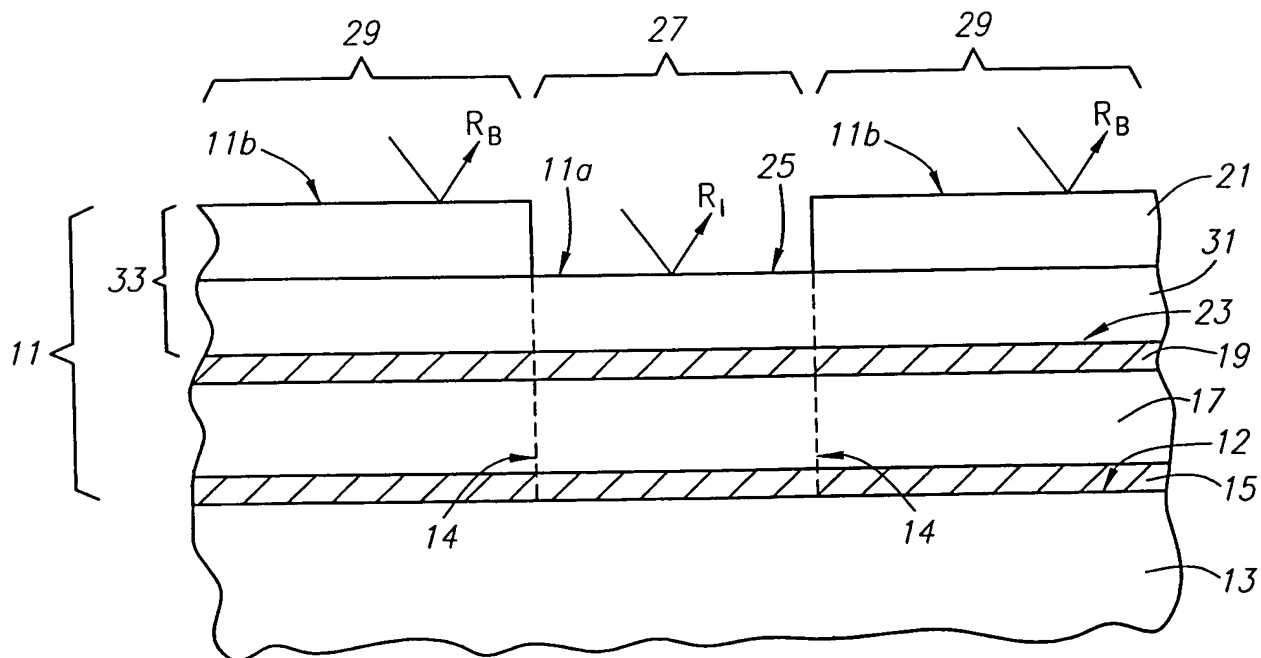


FIG. 7

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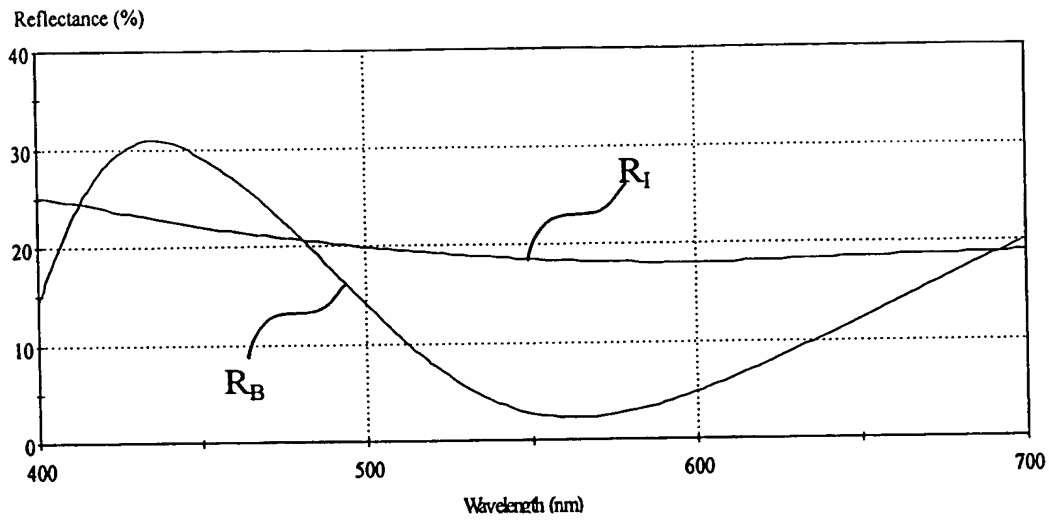


FIG. 8

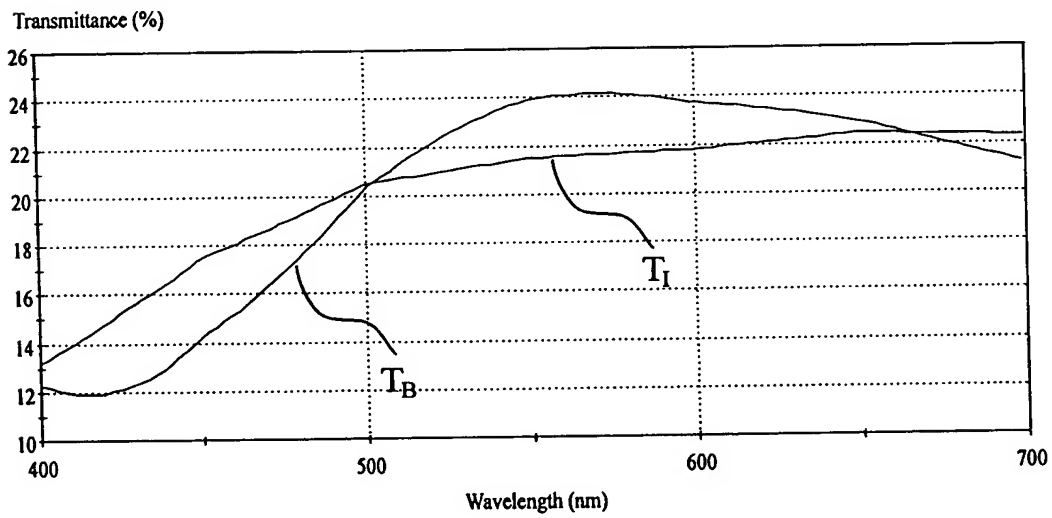


FIG. 9

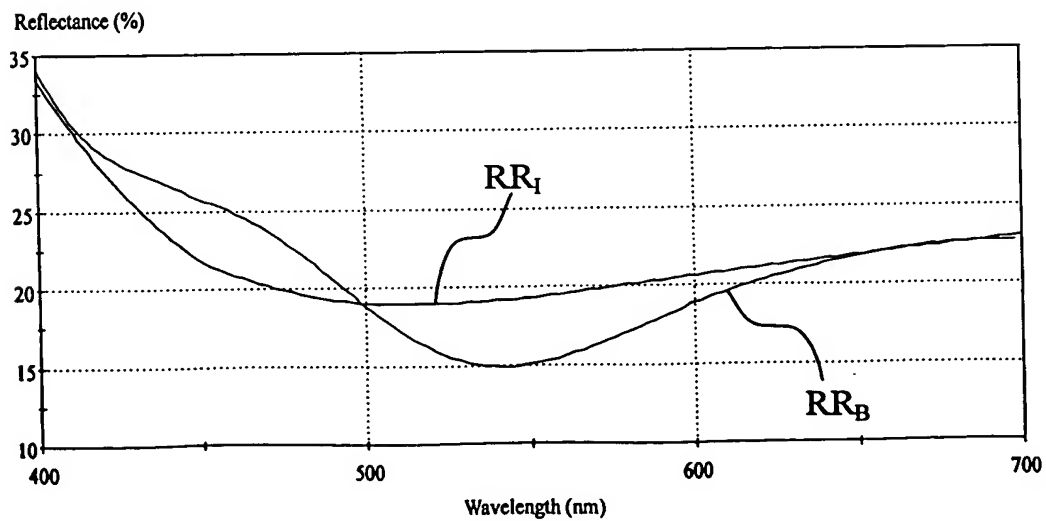


FIG. 10

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L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	50.3	53.3	51.6	51.9
	a	1	-1.2	4.9	3.5
	b	-6.1	7.3	-4.2	-3
BACKGROUND	L	29.7	55.1	48.5	48.9
	a	27.3	-3.7	11.8	8.6
	b	-48.6	16.1	-14.4	-12.8
	DELTA E	54.06	9.32	12.70	11.45
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 11

L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	44.5	61.9	52.4	53
	a	0.5	0.5	1.4	3.2
	b	2.7	0.5	9.2	9.6
BACKGROUND	L	37.4	61.7	50.5	51.5
	a	33.2	-5.6	7.6	6.5
	b	-14.6	5	5.5	8.1
	DELTA E	37.67	7.58	7.47	3.92
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 12

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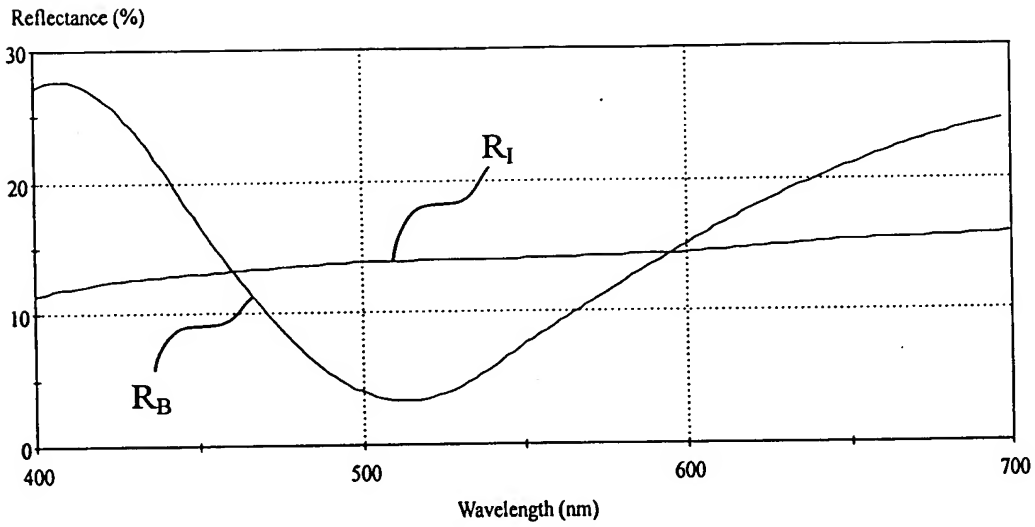


FIG. 13

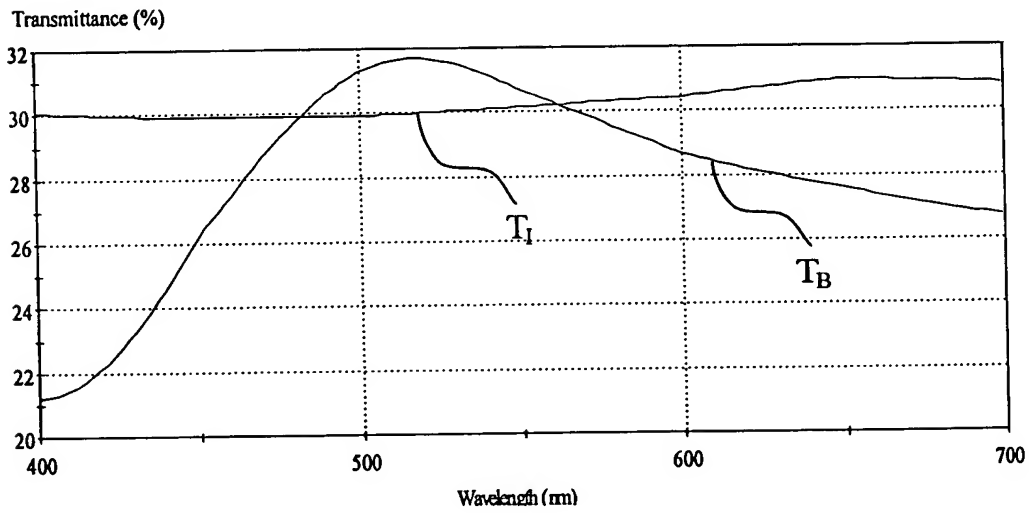


FIG. 14

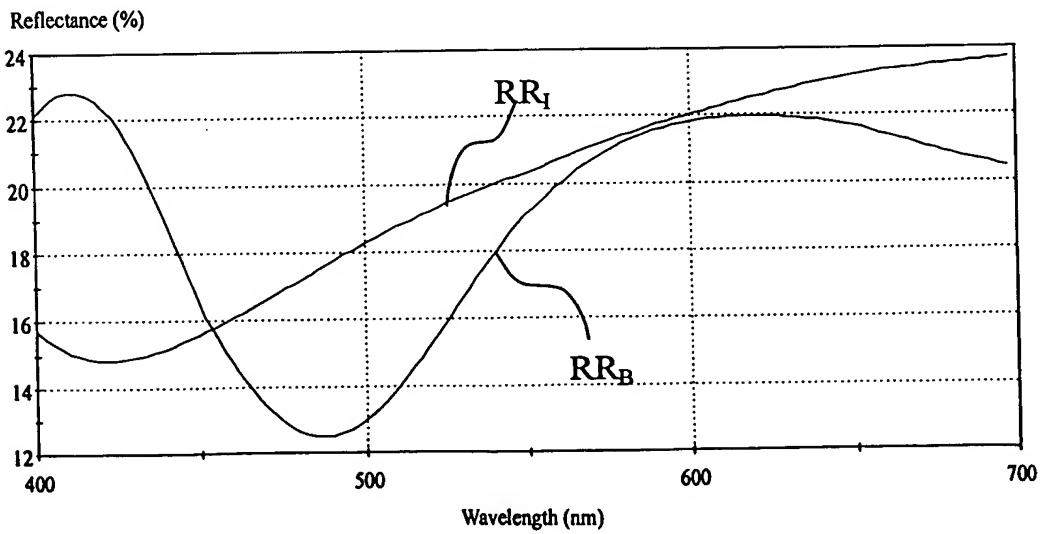


FIG. 15

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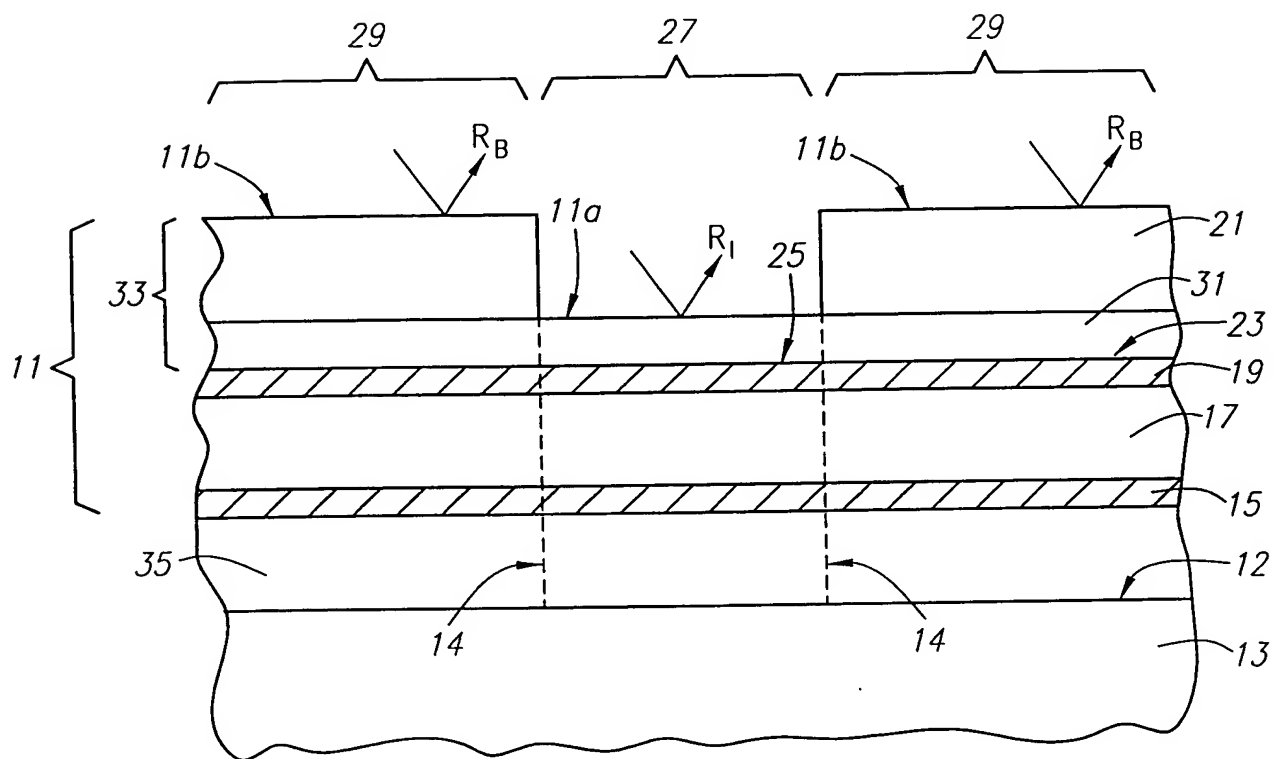


FIG. 16

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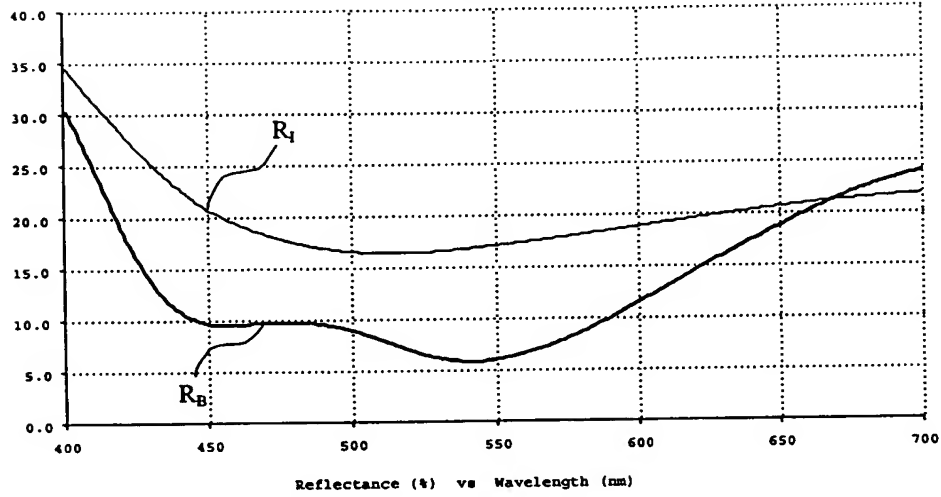


FIG. 17

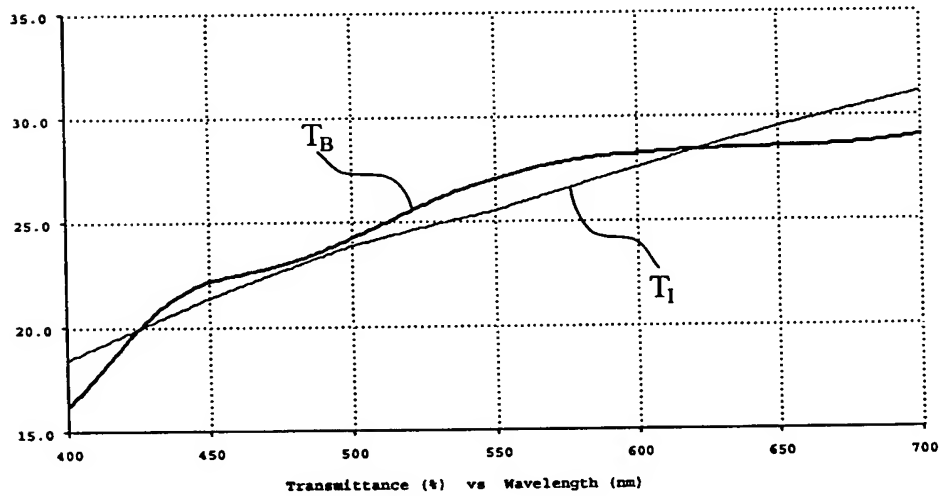


FIG. 18

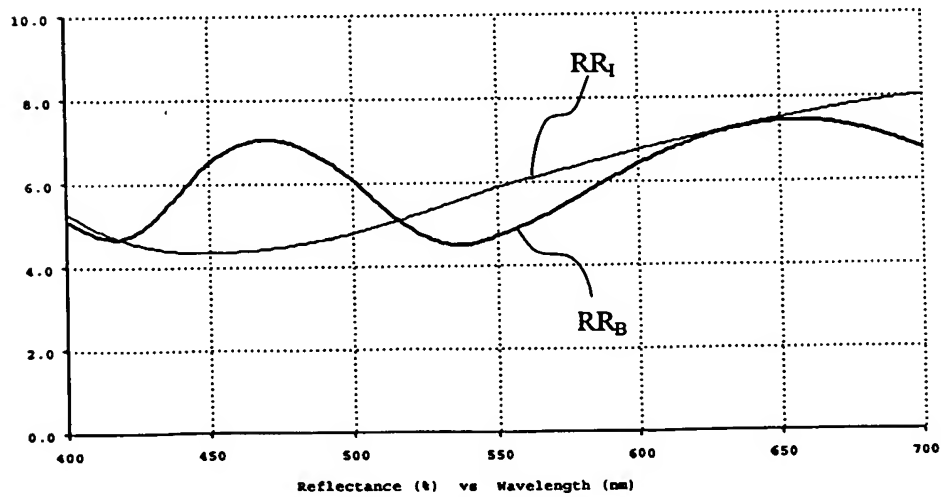


FIG. 19

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L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	49.2	58	n/a	29.4
	a	12.8	7	n/a	-3
	b	-3.7	11.2	n/a	-21.9
BACKGROUND	L	36	59	n/a	28.4
	a	24.5	5.5	n/a	0.5
	b	-4.6	11.9	n/a	-35.2
	DELTA E	17.66	1.93	n/a	13.79
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 20

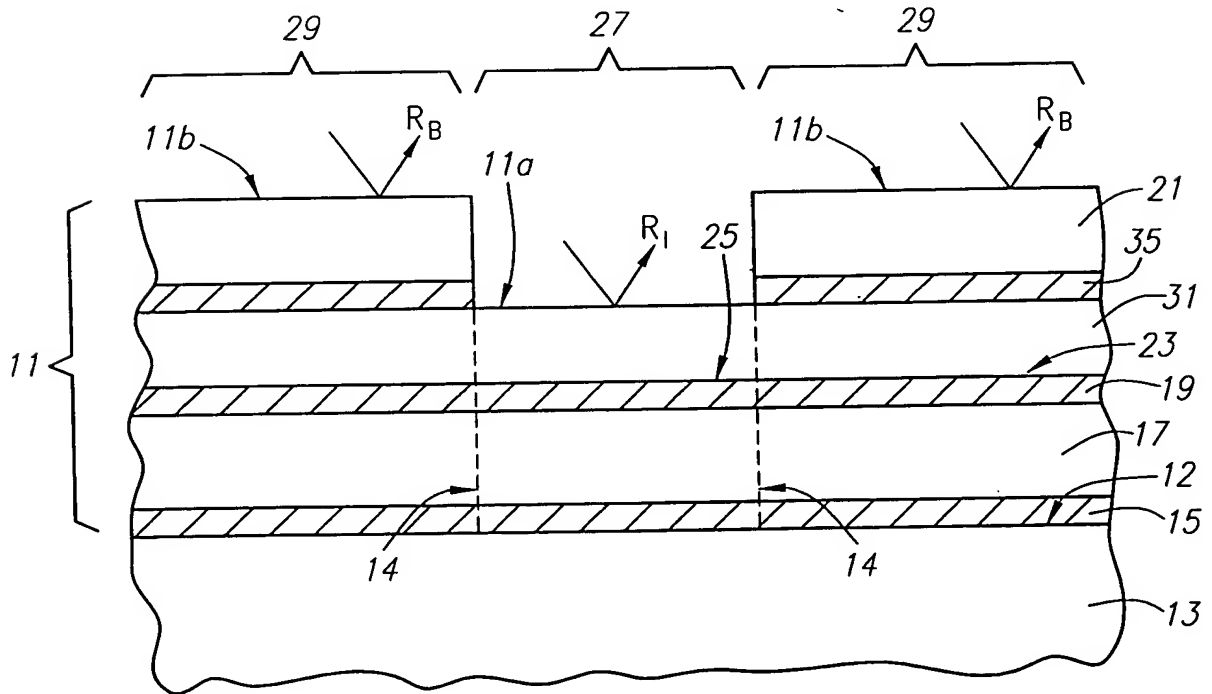


FIG. 21

FIG. 23

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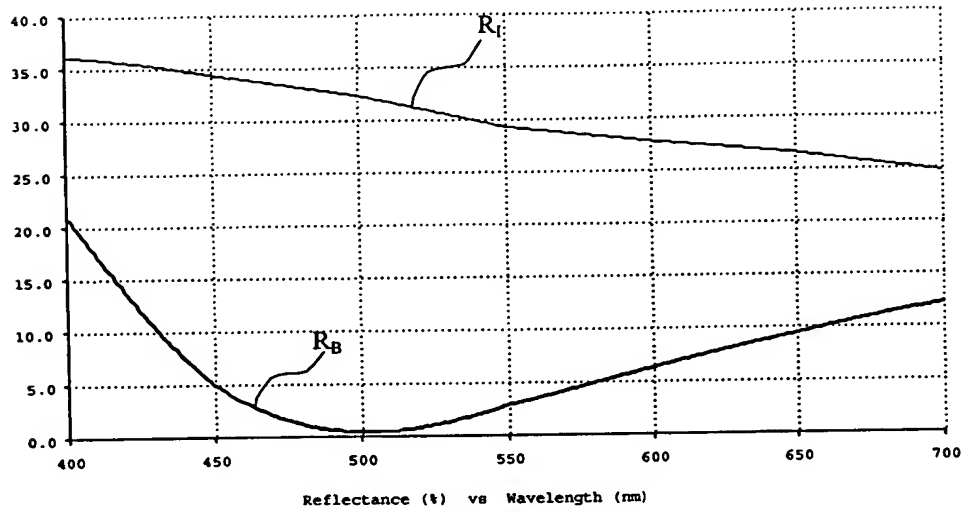


FIG. 24

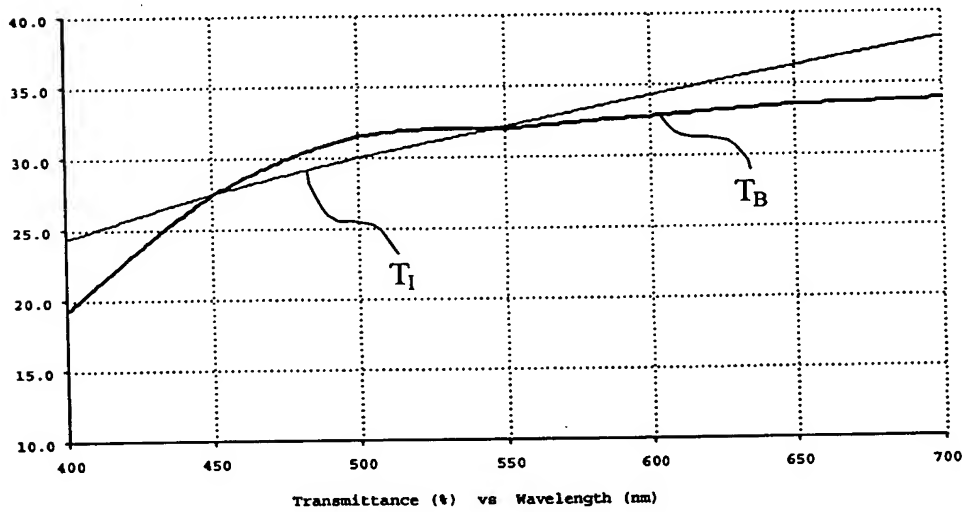


FIG. 25

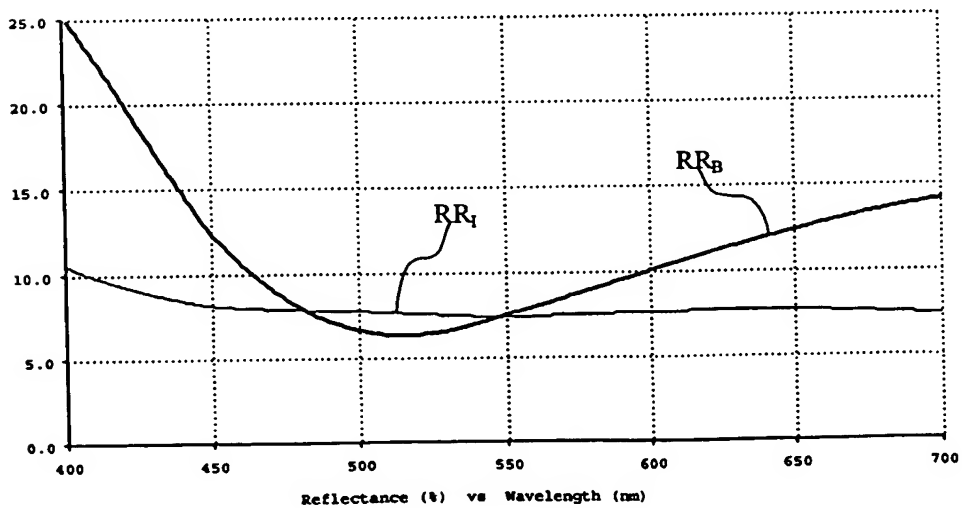


FIG. 26

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L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	61.1	63.8	n/a	.33
	a	4.6	7.3	n/a	-5.2
	b	-3.1	11	n/a	-38.5
BACKGROUND	L	23.6	63.6	n/a	35.1
	a	31.1	4.2	n/a	9
	b	-6.5	10.9	n/a	-53.7
DELTA E		46.04	3.11	n/a	20.91
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D65	D65	D65	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG 27

L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	63.5	51.6	48.3	48.7
	a	1	-1.5	4.3	4
	b	-5.7	8.5	-0.2	0.8
BACKGROUND	L	18.6	51.8	43.4	45.1
	a	37.8	-3.8	13.8	14.1
	b	-28.2	9.8	10.1	13.8
DELTA E		62.26	2.65	14.84	16.85
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D55	D55	D55	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 28

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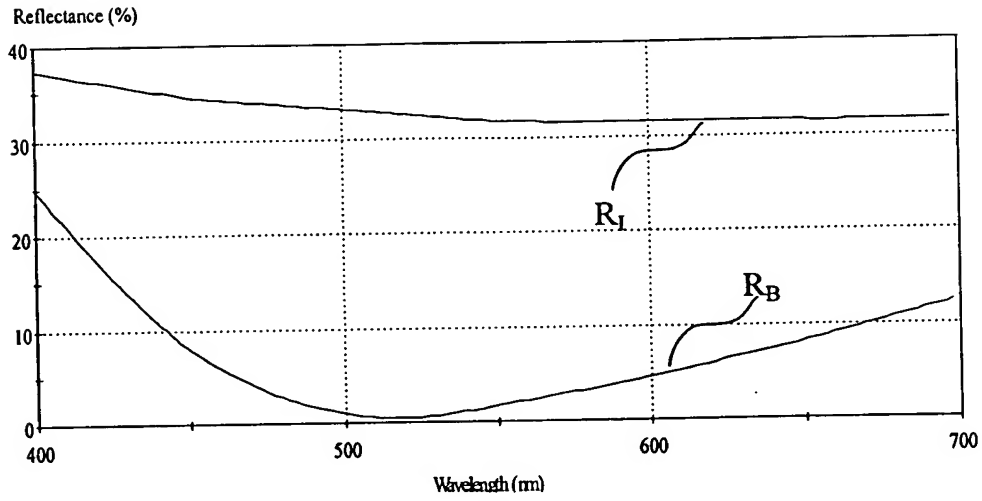


FIG. 29

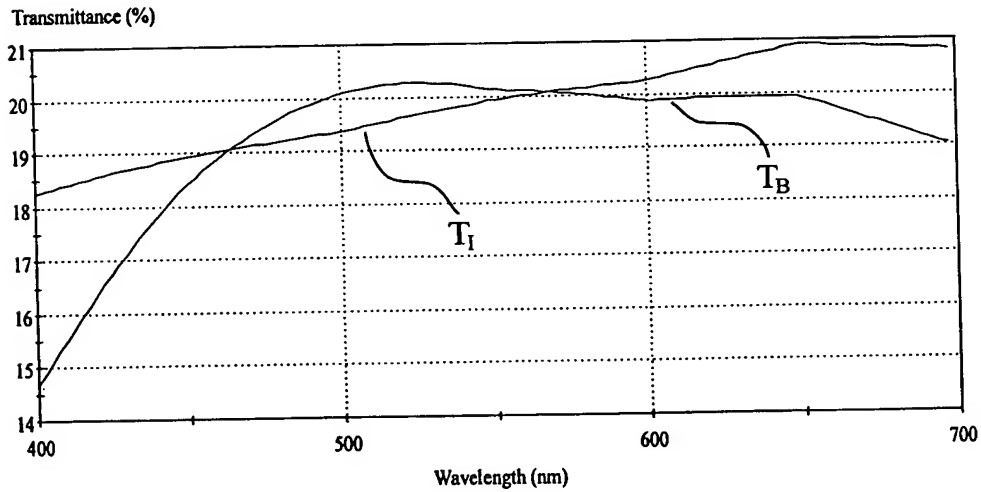


FIG. 30

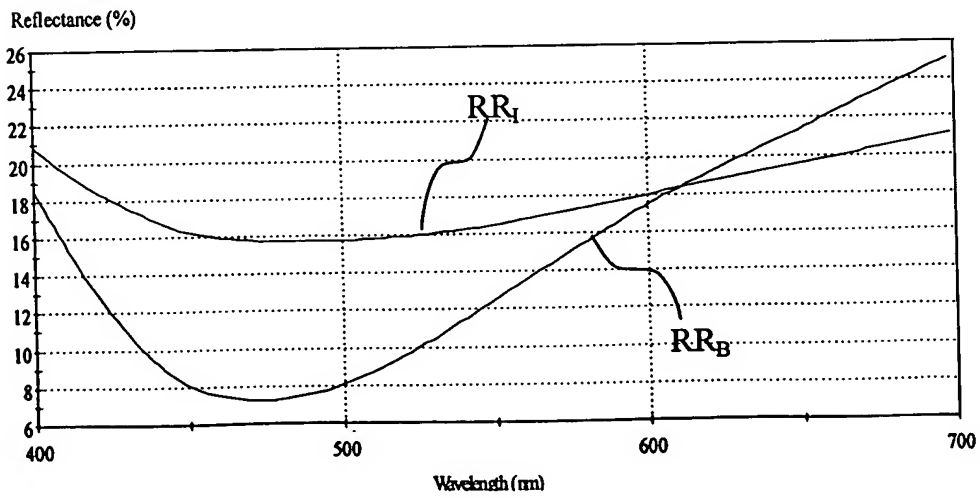


FIG. 31

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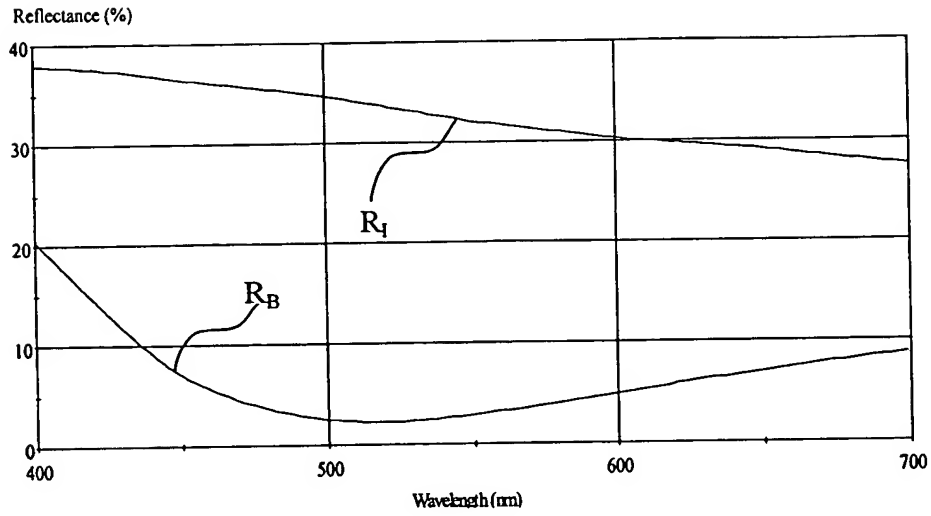


FIG. 32

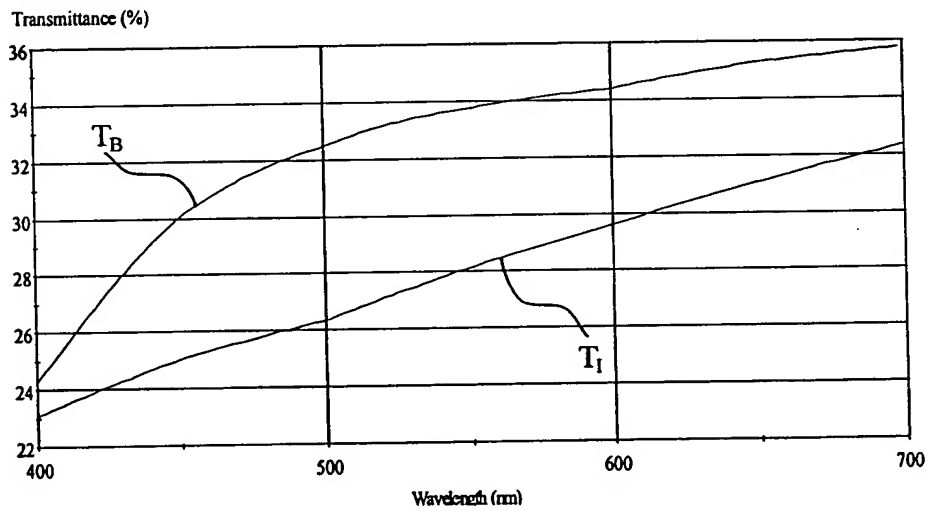


FIG. 33

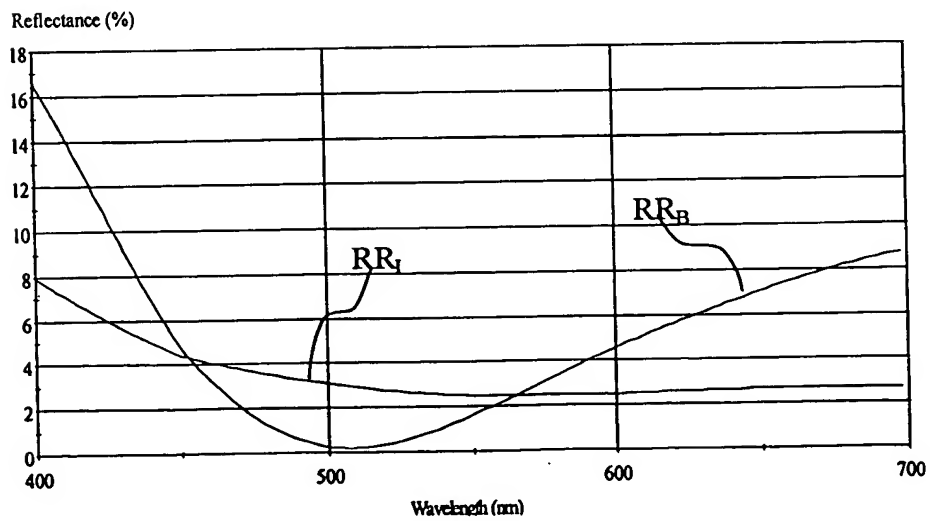


FIG. 34

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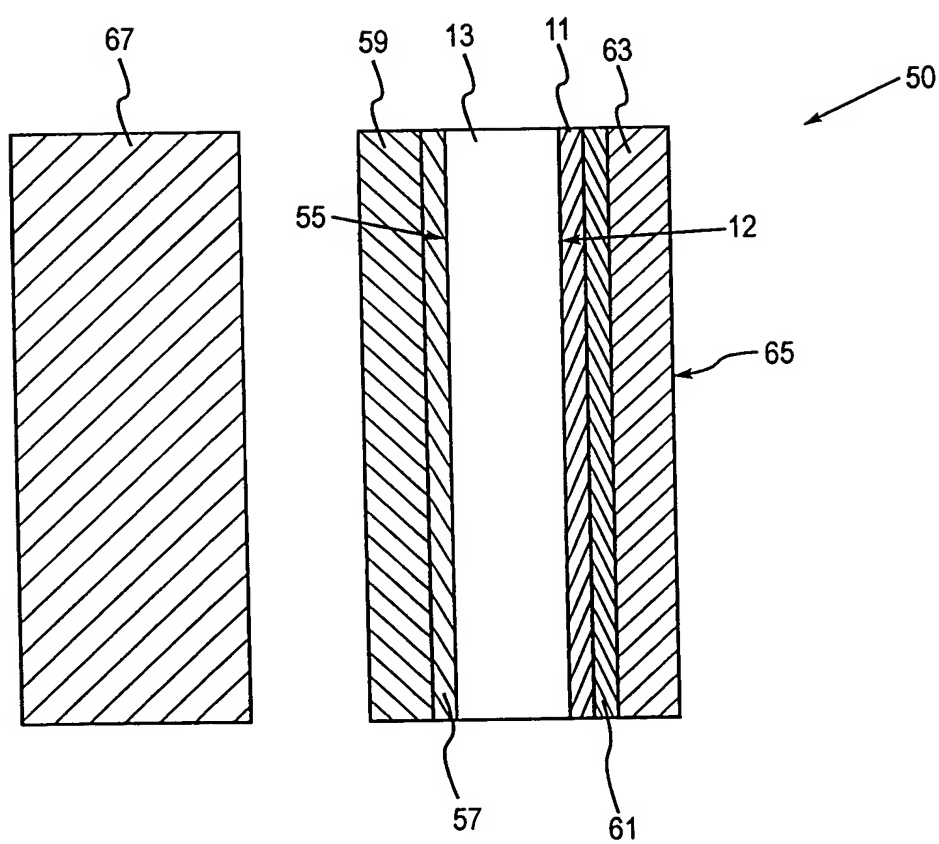


FIG. 35

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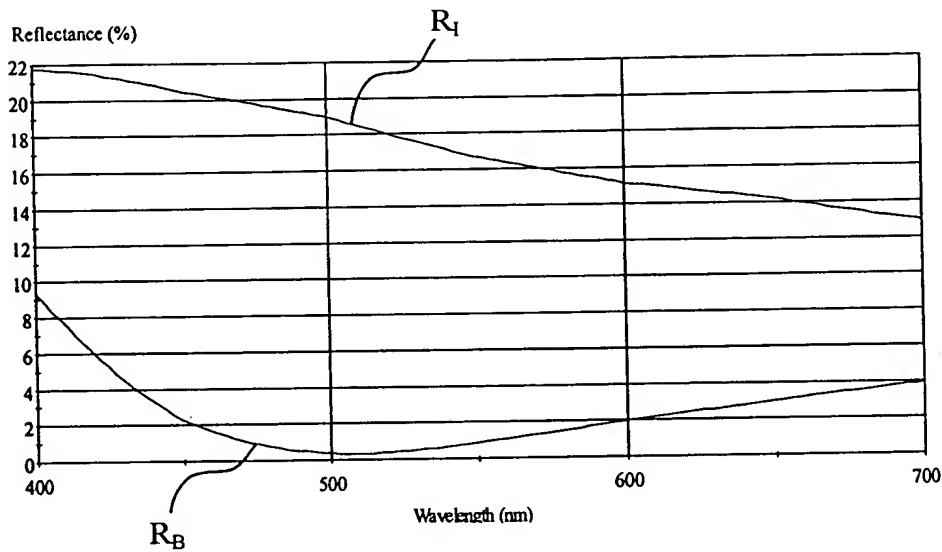


FIG. 36

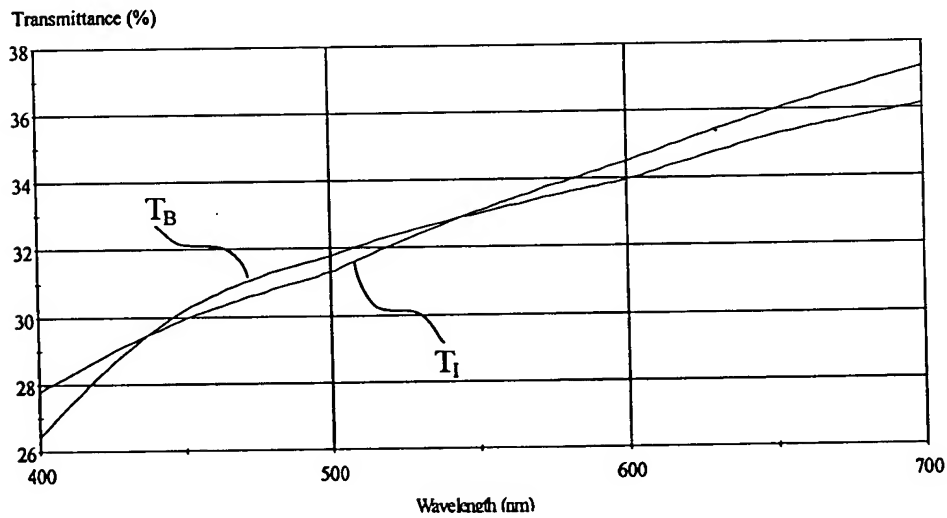


FIG. 37

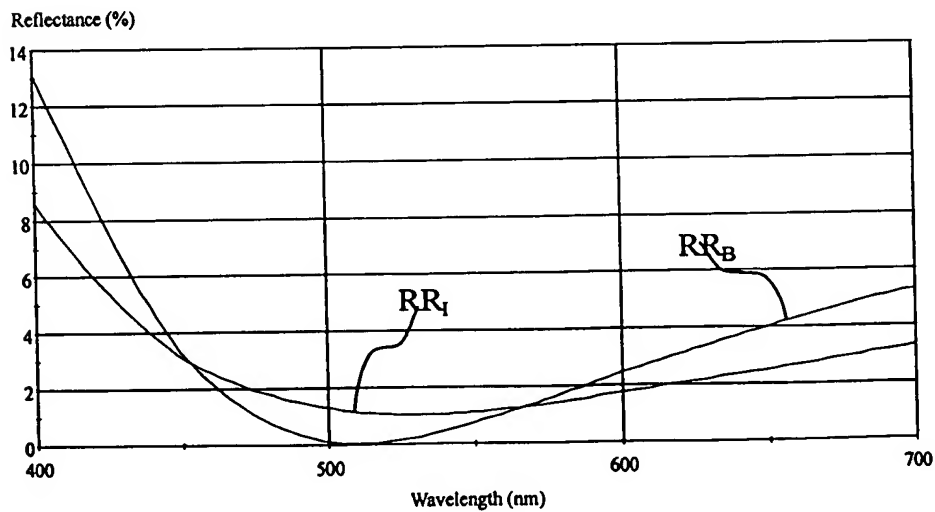


FIG. 38

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L*A*B* DATA		THEORY			
		R	T	RR	RR
IMAGE	L	47.9	64.3	12.6	n/a
	a	-1.5	1	9.7	n/a
	b	-7.5	4.6	-11.8	n/a
BACKGROUND	L	10.4	64.2	13.4	n/a
	a	22	0.3	20.9	n/a
	b	-12.3	4.1	-10.4	n/a
	DELTA E	44.51	0.87	11.32	n/a
CALCULATION		CIE 1976	CIE 1976	CIE 1976	CIE 1976
SOURCE		D65	D65	A	A
OBSERVER		CIE 1931	CIE 1931	CIE 1931	CIE 1931

FIG. 39

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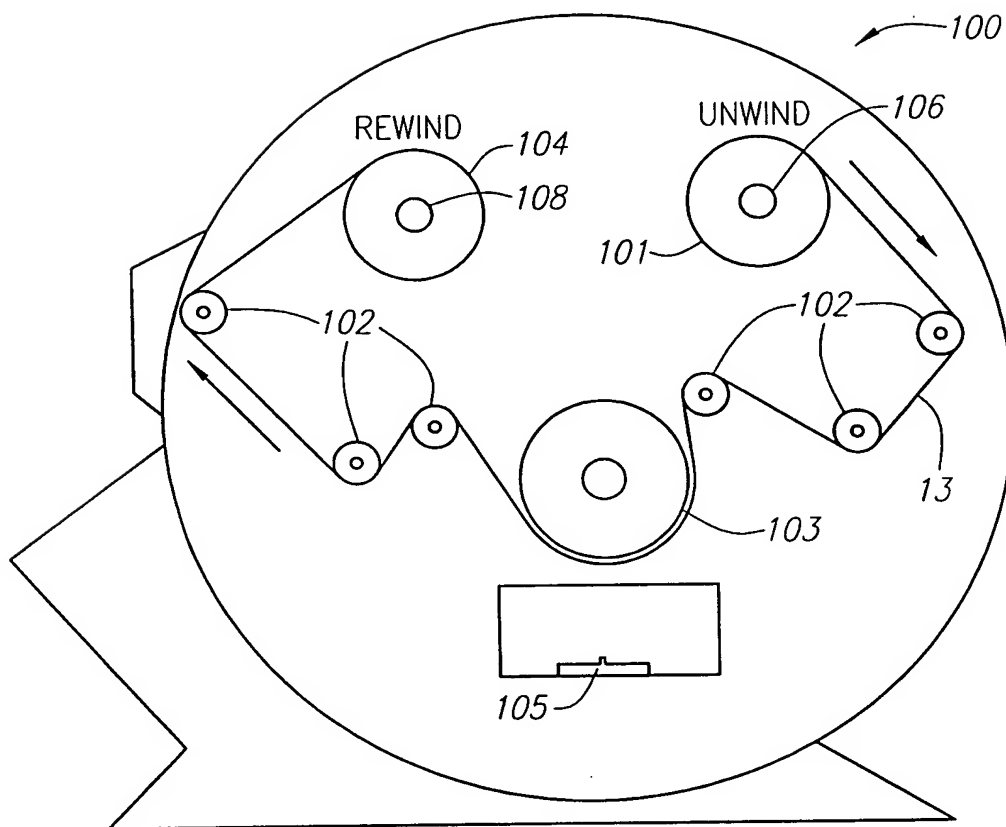


FIG. 40
(PRIOR ART)